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**From:** Clemmer, Jill (DPH)  
**Sent:** Thursday, September 22, 2011 9:23 AM  
**To:** Khan, Annie (DPH); Servizio, Paul (DPH)  
**Cc:** Nassif, Julianne (DPH); Salemi, Charles (DPH); O'Brien, Elisabeth (DPH); Piro, Peter (DPH)  
**Subject:** RE: USP Reference Information  
**Attachments:** Pain killers HPLC table.doc

Thank you for these, Annie!

I've attached a summary of the HPLC methods for the compounds, as well as a few notes; FYI.

Jill

PS: The note I omitted from the table is that if we choose to employ HPLC for the samples that we have, it will be slow going. We would absolutely have to use the Agilent Series 1100 system for the Lorazepam, which to the best of my understanding is not in the Ready-State...

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**From:** Khan, Annie (DPH)  
**Sent:** Tuesday, September 20, 2011 12:50 PM  
**To:** Servizio, Paul (DPH); Clemmer, Jill (DPH)  
**Cc:** Nassif, Julianne (DPH); Salemi, Charles (DPH)  
**Subject:** USP Reference Information

Hi,

See attachments.

The QC Dept at MBL (Biologics) was very courteous to provide me with a copy of the current USP monographs and specifications for the following chemicals:

Morphine Sulfate

- Morphine sulfate
- Morphine sulfate extended release capsules
- Morphine sulfate injection
- Morphine sulfate suppositories

Fentanyl

- Fentanyl
- Fentanyl citrate
- Fentanyl citrate injection

Lorazepam

- Lorazepam
- Lorazepam injection
- Lorazepam oral concentrate
- Lorazepam tablets

Midazolam (Versed)

- Midazolam
- Midazolam injection

Hope this helps.

Thx  
ASD